

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A configurable H-bridge circuit, comprising:
two high switches connected to a voltage source;
two low switches connected to ground;
a register;
wherein a first configuration of the configurable H-bridge circuit
~~includes with high switches and low switches connected together and coupled by~~
~~closing switches to independently drive a motor as a first H-bridge circuit~~
~~configuration; and~~
a second configuration of the configurable H-bridge circuit in which the high
switches ~~serve as first components~~ and the low switches function ~~serve as second~~
~~components, wherein each are coupled by closing switches to form a four~~ discrete
~~switches where one high switch is coupled as a first component of a switch~~
~~supplying electricity to an electrically powered component and one low switch is~~
~~coupled as a second component of a switch supplying electricity to a different~~
~~electrically powered components, the second configuration being different than the~~
first configuration; and
the register is configured to maintain an indication for each of the four
discrete switches in addition to the configuration of the H-bridge circuit.
2. (Canceled)
3. (Canceled)

4. (Previously Presented) An application-specific integrated circuit (ASIC), comprising:

a configurable first H-bridge circuit that by alternative closing of switches includes a first configuration as a first motor drive circuit to drive a first motor, and includes a second configuration as discrete switches, each of the discrete switches configured to be coupled to supply electricity to independent electrically-powered components; and

a configuration register configured to maintain an indicator of the configurable first H-bridge circuit configuration as at least one of the first motor drive circuit or as the discrete switches to supply electricity to independent electrically-powered components.

5. (Previously Presented) An ASIC as recited in claim 4, wherein the configuration register maintains the indicator that the configurable first H-bridge circuit is configured as the discrete switches to supply electricity to independent electrically-powered components.

6. (Previously Presented) An ASIC as recited in claim 4, wherein the configuration register is further configured to maintain a switch indicator that indicates a configuration of a discrete switch to supply electricity to independent electrically-powered components.

7. (Previously Presented) An ASIC as recited in claim 4, wherein:

the configurable first H-bridge circuit includes two high switches connected to a voltage source, and includes two low switches connected to ground; and

in the first configuration as a motor drive circuit, one high switch and one low switch are configured to be connected together and coupled by closing switches to drive the motor.

8. (Original) An ASIC as recited in claim 4, further comprising at least a second H-bridge circuit configured to drive a second motor.
9. (Previously Presented) An ASIC as recited in claim 4, further comprising: a second H-bridge circuit configured as a second motor drive circuit;
a third H-bridge circuit implemented as a third motor drive circuit; and
wherein the second H-bridge circuit is configured to drive the first motor and the third H-bridge circuit is configured to drive a second motor in an event that the configurable first H-bridge circuit is configured as the discrete switches.
10. (Currently Amended) A printing device, comprising:
a first motor configured for movable control of at least a first component in the printing device;
a second motor configured for movable control of at least a second component in the printing device;
a multiple H-bridge circuit including:
a first H-bridge circuit configured to independently drive the first motor;
a second H-bridge circuit configured to independently drive the second motor; and
a configurable third H-bridge circuit that includes, by alternative closing of switches, a first configuration as a motor drive circuit to independently drive a third motor, and ~~includes~~ a second configuration as discrete switches that are each configured to be coupled to a different component as a component switch; and a register configured to indicate a status for each of the discrete switches in addition to the configuration of the configurable H-bridge circuit.
11. (Previously Presented) A printing device as recited in claim 10, further comprising a configuration register configured to maintain an indicator of the configurable third H-bridge circuit configuration as at least one of the motor drive

circuit or the discrete switches.

12. (Previously Presented) A printing device as recited in claim 10, further comprising a configuration register configured to maintain an indicator that the configurable third H-bridge circuit is configured as the discrete switches.

13. (Previously Presented) A printing device as recited in claim 10, further comprising a configuration register configured to maintain an indicator that the configurable third H-bridge circuit is configured as the discrete switches, the configuration register further configured to maintain a switch indicator that indicates a configuration of a discrete switch.

14. (Previously Presented) A printing device as recited in claim 10, wherein the configurable third H-bridge circuit includes a high switch connected to a voltage source and includes a low switch connected to ground, and wherein the first configuration includes the high switch and the low switch connected together and coupled to drive the third motor.

15. (Previously Presented) A printing device as recited in claim 10, wherein the configurable third H-bridge circuit includes a high switch connected to a voltage source and includes a switch connected to ground, and wherein the second configuration includes at least one of the high switch and the low switch coupled as the component switch.

16. (Previously Presented) A printing device as recited in claim 10, further comprising an application-specific integrated circuit (ASIC) that includes the multiple H-bridge circuit, the ASIC further including a configuration register configured to maintain an indicator of the configurable third H-bridge circuit configuration.

17. (Currently Amended) A method, comprising:
- writing an indicator to a configuration register to indicate an implementation by alternative closing of switches of a configurable H-bridge circuit as at least one of a motor drive circuit or as discrete switches;
 - coupling the configurable H-bridge circuit to drive a motor ~~when in an event~~ that the configurable H-bridge circuit is implemented as the motor drive circuit; and
 - coupling a discrete switch of the configurable H-bridge circuit as a component switch ~~when in an event~~ that the configurable H-bridge circuit is implemented as the discrete switches to supply electricity to electrically-powered components.
18. (Previously Presented) A method as recited in claim 17, further comprising maintaining the indicator of the implementation of the configurable H-bridge circuit, wherein the indicator indicates at least one of a first configuration of the configurable H-bridge circuit as the motor drive circuit and a second configuration of the configurable H-bridge circuit as the discrete switches to supply electricity to independent electrically-powered components.
19. (Original) A method as recited in claim 17, further comprising writing a switch indicator to the configuration register to indicate a configuration of the component switch.
20. (Previously Presented) A method as recited in claim 17, wherein coupling the configurable H-bridge circuit to drive the motor includes:
- connecting an output of a high switch of the configurable H-bridge circuit to an input of a low switch of the configurable H-bridge circuit, the high switch connected to a voltage source and the low switch connected to ground; and
 - coupling the high switch and the low switch to drive the motor by closing the switches.

21. (Original) A method as recited in claim 17, further comprising configuring an H-bridge circuit control according to the indicator in the configuration register to couple the configurable H-bridge circuit to drive the motor in an event that the H-bridge circuit is implemented as the motor drive circuit.

22. (Previously Presented) A method as recited in claim 17, further comprising configuring an H-bridge circuit control according to the indicator in the configuration register to couple a switch of the configurable H-bridge circuit to a switched component in an event that the H-bridge circuit is implemented as the discrete switches to supply electricity to independent electrically-powered components.

23. (Currently Amended) A method, comprising:
controlling a first movable component in a printing device with a first motor independently driven by a first H-bridge circuit of a multiple H-bridge circuit;
controlling a second movable component in the printing device with a second motor independently driven by a second H-bridge circuit of the multiple H-bridge circuit;
configuring by alternative closing of switches a configurable third H-bridge circuit of the multiple H-bridge circuit in a first configuration to independently drive a third motor in an event that the third H-bridge circuit is to be implemented as a motor drive circuit; and
configuring the third H-bridge circuit in a second configuration as discrete switches that are each configured to be coupled to a different component in an event that a switch of the third H-bridge circuit is to be implemented as a component switch; and
indicating a configuration for each switch and one of the first and second configurable third H-bridge circuit configurations.

24. (Previously Presented) A method as recited in claim 23, further comprising coupling the configurable third H-bridge circuit to drive the third motor in the first configuration.

25. (Previously Presented) A method as recited in claim 23, further comprising coupling the switch of the configurable third H-bridge circuit to a component in the second configuration.

26. (Previously Presented) A method as recited in claim 23, further comprising writing an indicator to a configuration register to indicate a configuration of the configurable third H-bridge circuit.

27. (Previously Presented) A method as recited in claim 23, further comprising: writing an indicator to a configuration register to indicate a configuration of the configurable third H-bridge circuit; and coupling the configurable third H-bridge circuit to drive the third motor in the first configuration according to the indicator maintained in the configuration register.

28. (Previously Presented) A method as recited in claim 23, further comprising: writing an indicator to a configuration register to indicate a configuration of the configurable third H-bridge circuit; and coupling the switch of the configurable third H-bridge circuit to a component in the second configuration according to the indicator maintained in the configuration register.

29. (Previously Presented) One or more computer-readable media comprising computer executable instructions for executing:
directing a printing device;
writing an indicator to a configuration register to indicate a configuration of a configurable H-bridge circuit as at least one of a motor drive circuit or as discrete switches by alternative closing of switches;

configuring the configurable H-bridge circuit in a first configuration to drive a motor in an event that the configurable H-bridge circuit is to be implemented as the motor drive circuit; and

configuring the configurable H-bridge circuit in a second configuration as the discrete switches in an event that a switch of the configurable H-bridge circuit is to be implemented as a component switch to supply electricity to independent electrically-powered components.

30. (Previously Presented) One or more computer-readable media as recited in claim 29, further comprising computer executable instructions for executing:

coupling an output of a high switch of the configurable H-bridge circuit to an input of a low switch of the configurable H-bridge circuit, the high switch connected to a voltage source and the low switch connected to ground; and

coupling the high switch and the low switch to the motor in the first configuration that the configurable H-bridge circuit is implemented as the motor drive circuit.

31. (Currently Amended) A printing device, comprising:

means to independently drive a first motor to control a first movable component in a printing device;

means to independently drive a second motor to control a second movable component in the printing device;

means to configure by alternative closing of switches a configurable first H-bridge circuit in a first configuration as a motor drive circuit to independently drive a third motor; ~~and~~

means to configure by alternative closing of switches the configurable first H-bridge circuit in a second configuration as discrete switches to supply electricity to independent electrically-powered components; and

means to indicate a configuration for each switch and one of the first and second configurable first H-bridge circuit configurations.

32. (Previously Presented) A printing device as recited in claim 31, wherein:
the means to drive the first motor is a second H-bridge circuit of a multiple H-bridge circuit that includes the configurable first H-bridge circuit; and
the means to drive the second motor is a third H-bridge circuit of the multiple H-bridge circuit.
33. (Original) A printing device as recited in claim 31, further comprising means to couple the configurable H-bridge circuit to drive the third motor.
34. (Original) A printing device as recited in claim 31, further comprising means to couple a switch of the configurable H-bridge circuit as a component switch.
35. (Previously Presented) A multiple H-bridge circuit, comprising:
a first H-bridge circuit configured to drive a first motor;
a second H-bridge circuit configured to drive a second motor;
a register; and
a third H-bridge circuit including four switches, the four switches each having an individual configuration, and collectively having a programmable first configuration operable as a motor drive circuit and a programmable second configuration operable as four discrete switches,
wherein the register maintains an indication of the four switches' collective configuration separate from indications of each switch's individual configuration.
36. (Previously Presented) The multiple H-bridge circuit as recited in claim 35, wherein the register indicates the four switches' collective configuration with a single data bit.

37. (Previously Presented) The multiple H-bridge circuit as recited in claim 35, wherein the register maintains the indications of each switch's individual configuration when the four switches are programmed in the second configuration.